

INTERNATIONAL HIGH SPEED NETWORKS FOR SCIENTIFIC AND TECHNICAL INFORMATION

to be held in Ottawa, Canada, on Wednesday and Thursday, 6 and 7 October 1993

WEDNESDAY 6 OCTOBER 1993

0830-0930 REGISTRATION

0900-0910 BRIEFING (Session Chairmen, Authors, Reviewers, Interpreters, Technicians) in the auditorium.

0930-1000 OPENING CEREMONY

Brief welcome by the Canadian National Delegate to AGARD and the National Librarian of Canada

The timing arrangements for the presentation and discussion of papers are as follows: Twenty minutes are allocated for the presentation of each paper, and approximately twenty minutes will be allowed in each Session for the discussion of each paper – either after the individual papers or at the end of the Session. This discussion, which will be led by the Reviewers named below, has, as its main objective, maximum audience participation.

SESSION I – OVERVIEW

Chairman: Mr. M. BRANDRETH (CA)

Reviewers: Mr T. HERMANN (US)

Mr J. STERKEN (BE)

1000-1045 1. Global Information Networks: An Introduction to the Internet and its Services
Mr G. CLEVELAND, National Library of Canada

1045-1115 BREAK

1115-1200 2. Global Information Networks – How They Work
Mr A. BODINI, ESA/ESRIN, Italy

1200-1330 LUNCH

SESSION II – MANAGEMENT

Chairman: Mr B. HISINGER (DE)

Reviewers: Mr A. TAN (NE)

Mr P. RYAN (US)

1330-1415 3. Regulatory Issues
Mr D. MACKINNON, Software Kinetics, Canada

1415-1500 4. Standards for Data and Document Interchange
Author to be nominated

1500-1530 BREAK

1530-1615 5. Virtual Library
Ms G. COTTER and Ms J. HUNTER, NASA, United States

1615-1700 6. Problems of International Exchange of Scientific and Technical Information for a Russian Aerospace Research Institute (TsAGI)
Mr V. TYURIN, Deputy Director, Central Aerohydrodynamics Institute (TsAGI), Russia

THURSDAY 7 OCTOBER

SESSION III – APPLICATIONS AND CASE STUDIES

Chairman: Ms A.M. CORREIA (PO)

Reviewers: Mrs F. LHULLIER (FR)

Mr R. SEARLE (UK)

Mr M. WALSHAW (UK)

0830-0915 7. Electronic Document Delivery – Towards the Virtual Library
Mr M. BRANDRETH, Canada Institute for Scientific and Technical Information

0915-1000 8. The Supply of Electronic Documents in Europe (INIST's Experience)
Mr C. LUPOVICI, INIST, France

1000-1030 BREAK

1030-1115 9. Electronic Journals
Dr C. MCKNIGHT, HUSAT Research Institute, United Kingdom

1115-1200 10. Bulletin Boards, Electronic Mail, Conferencing. Current use by Scientists and Engineers; Effects on Libraries and Information Centres – Do they have a role?
Mr V. CASTELO GUTIERREZ, CSIC, Spain

1200-1330 LUNCH

1330-1415 11. Virtual Training and Support System
Mr Guy LANGLOIS, CAE Electronics Ltd, Canada

SESSION IV – THE FUTURE

Chairman: Mr P. HOOGENBERK (NE)

Reviewers: Mrs R. GJERSVIK (NO)

Dr J.M. HUGHES (US)

1415-1500 12. Wide Area Information Servers: An Executive Information System for Unstructured Files
Mr B. KAHLE, Wide Area Information Servers (WAIS), United States

1500-1530 BREAK

1530-1615 13. Information Retrieval Services on Wide Area Networks: A Vision of the Future
Mr Jean LE MEZEC, France Telecom Inc., France

1615-1745 SESSION V – FORUM DISCUSSION

Mr M. SCHRYER

Mr C. BIGGER

GENERAL INFORMATION

ATTENDANCE/PARTICIPATION

Attendance, by invitation only, is normally restricted to citizens of NATO nations. An invitation should be sought from your nation's AGARD National Delegates or Panel Members. Their names and addresses may be obtained from AGARD.

La participation, exclusivement sur invitation, est normalement réservée aux ressortissants des pays de l'OTAN. Les invitations peuvent être obtenues auprès des Délégués Nationaux ou Membres du Panel dont les noms et adresses peuvent vous être communiqués par l'AGARD.

ENROLMENTS/INSCRIPTIONS

When invited to attend, complete the attached Application to Enrol as soon as possible and send it to the Enrolment Coordinator for your Nation at the address shown on the attached list before 1 AUGUST 1993. Each Application to Enrol must be endorsed by the Enrolment Coordinator.

Dès réception de votre invitation, veuillez compléter la «Demande d'Inscription» et l'envoyer avant le 1er AOUT 1993, au coordonnateur chargé de votre inscription dont le nom et l'adresse figurent sur le volet «coordonnateurs d'inscription» de ce dépliant. Chaque Demande d'Inscription doit être ensuite visée par le Coordonnateur.

FURTHER INFORMATION

INFORMATIONS COMPLEMENTAIRES

On return of the Application, you will be sent further details of the Meeting and information on travel and accommodation. This information is for assistance only and does not imply any AGARD responsibility.

Lors de la réception de la demande d'inscription, des détails complémentaires sur la réunion ainsi que sur les conditions de voyage et de logement vous seront adressés. Ces données sont de nature informative et n'impliquent en aucun cas la responsabilité de l'AGARD.

LANGUAGES/LANGUES

All presentations and discussions will be in English or French, the official NATO languages. Simultaneous interpretation between the two languages will be provided. *Exposés et débats auront lieu en anglais ou en français, les deux langues officielles de l'OTAN. L'interprétation simultanée sera assurée entre les deux langues.*

ACKNOWLEDGEMENTS/REMERCIEMENTS

The Panel wishes to express its thanks to the Canadian National Delegates to AGARD for the invitation to hold this Meeting in Ottawa and for the facilities and personnel which make the meeting possible.

Le Panel tient à remercier les Délégués Nationaux du Canada auprès de l'AGARD de leur invitation à tenir cette réunion à Ottawa ainsi que des installations et de la mise à disposition de personnel et des installations nécessaires.

THEME

Wide area electronic networks have been developing rapidly in recent years, and are being interlinked to form an international network. Information centres will have a tremendous opportunity to make use of these networks for the dissemination of STI in aerospace, defence and other fields. On the other hand, these networks also give rise to many new concerns and issues. This Specialists' Meeting of participants from NATO countries will review the current situation, assess future possibilities and examine issues, such as standards, security, management, property rights/copyright, etc., from the point of view of the end user, the information provider, and the network manager.

Au cours des dernières années, les grands réseaux ont connu une expansion rapide. Aujourd'hui, en se reliant les uns aux autres, ils jettent les ponts d'un réseau international. Les centres d'information peuvent maintenant profiter de cet outil exceptionnel pour diffuser de l'IST sur l'aérospatiale, la défense et sur d'autres domaines. Toutefois, l'émergence de ces réseaux laisse poindre certaines préoccupations et questions. Cette réunion de spécialistes des pays de l'OTAN permettra de faire le survol de la situation, d'évaluer le potentiel d'avenir et d'examiner des questions telles que la normalisation, la gestion de la sécurité, la gestion, les droits de propriété/ d'auteur, etc. et ce du point de vue de l'utilisateur, du fournisseur d'information et du gestionnaire de réseau.

TECHNICAL INFORMATION PANEL

Chairman:

Ms Gladys COTTER
Chief
NASA Scientific and Technical Information Program
NASA Headquarters, (Code JTT)
Washington DC 20546
UNITED STATES

Deputy Chairman:

Dr Maria Cruz GUTIERREZ
INTA
Paseo Pintor Rosales 34
28008 Madrid
SPAIN

MEETING PLANNING COMMITTEE

Mr M. SCHRYER	(CA):	Chairman
Mr M. BRANDRETH	(CA):	Deputy Chairman
Mr E. LAPEYSEN	(BE)	
Mr B. HISINGER	(DE)	
Mrs C. WIEGANDT	(FR)	
Mr R. BERNHARDT	(GE)	
Ir. P. HOOGENBERK	(NE)	
Mr A. DEL REY	(SP)	
Dr M. WALSHAW	(UK)	
Dr K. GARDNER	(NATO/DRG)	

PANEL EXECUTIVE

From Europe:	From USA and Canada:
Mr G.W. HART	AGARD NATO/TIP-SPE
AGARD/NATO	Unit 21551
7, rue Ancelle	APO AE 09777
92200 Neuilly-sur-Seine	
France	

Telephone: 33 (1) 47.38.57.95
Telex: 610176 F
Telefax: 33 (1) 47.38.57.99

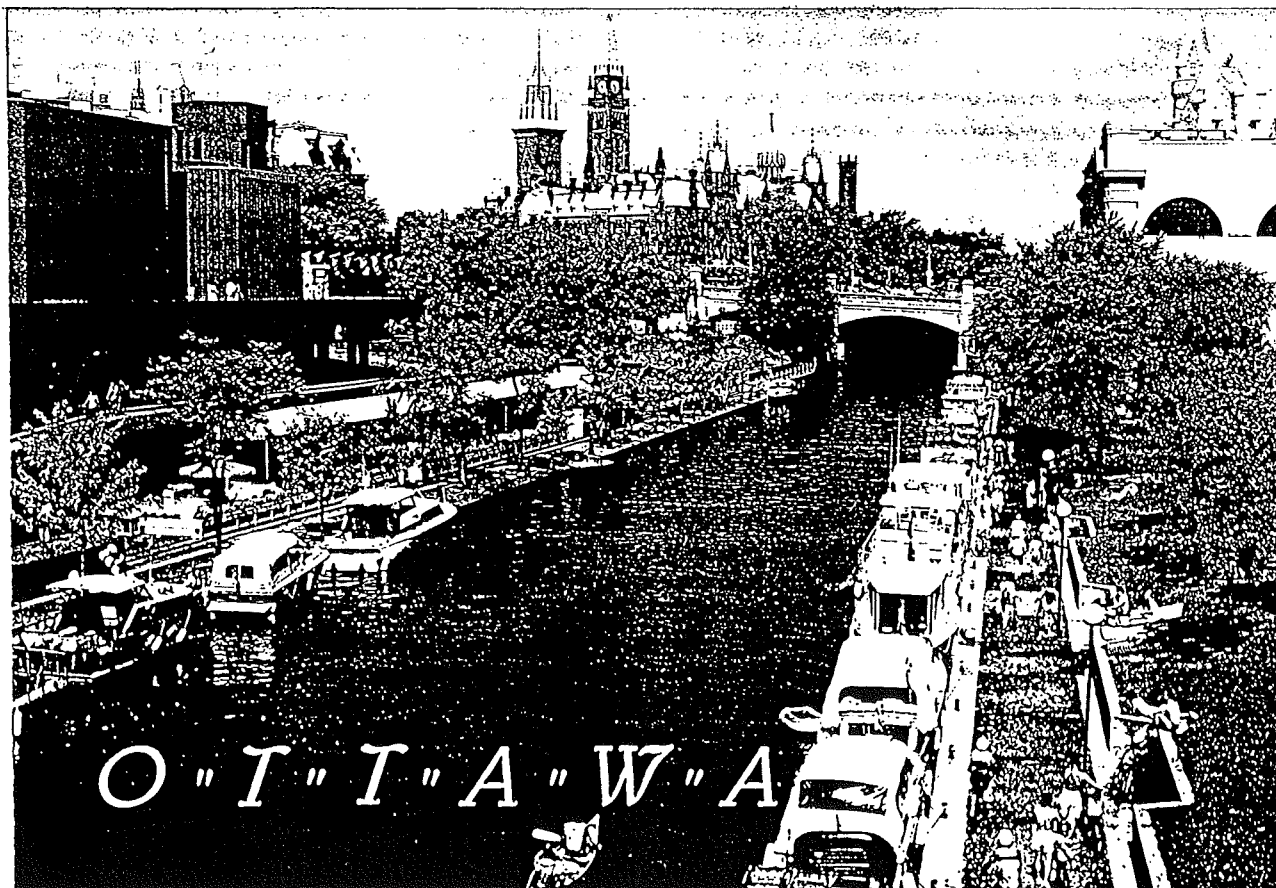
TRAVEL, HOTEL AND GENERAL INFORMATION
FOR THE
TECHNICAL INFORMATION PANEL SYMPOSIUM
ON
INTERNATIONAL HIGH SPEED NETWORKS
for
SCIENTIFIC AND TECHNICAL INFORMATION

to be held in the

National Library of Canada
395 Wellington Street
Ottawa, Ontario
K1A 0N4
(6-7 October 1993)

and the

Government Conference Centre
2 Rideau Street
Ottawa, Ontario
(Panel Meeting - 4,5,8 October 1993)





1. OTTAWA, THE CAPITAL OF CANADA

In 1826, Colonel John By, commanding a detachment of Royal Engineers, came to, and pitched camp at, a place called The Landing near the junction of the Ottawa and Rideau Rivers. His object: to construct the Rideau Canal and, through a series of locks, make the Rideau River navigable. They succeeded admirably. They also succeeded in converting The Landing, a small riverside hamlet, into Bytown, naming it after the Colonel. It soon became a busy little centre beginning to take an interest in the lumber trade.

A few years after the completion of the canal - in 1854 - Bytown became a city and was renamed Ottawa. This is an anglicised version of the indian name 'Aoutaouas', the name of the tribe of Indians who inhabited the upper reaches of the Ottawa River.

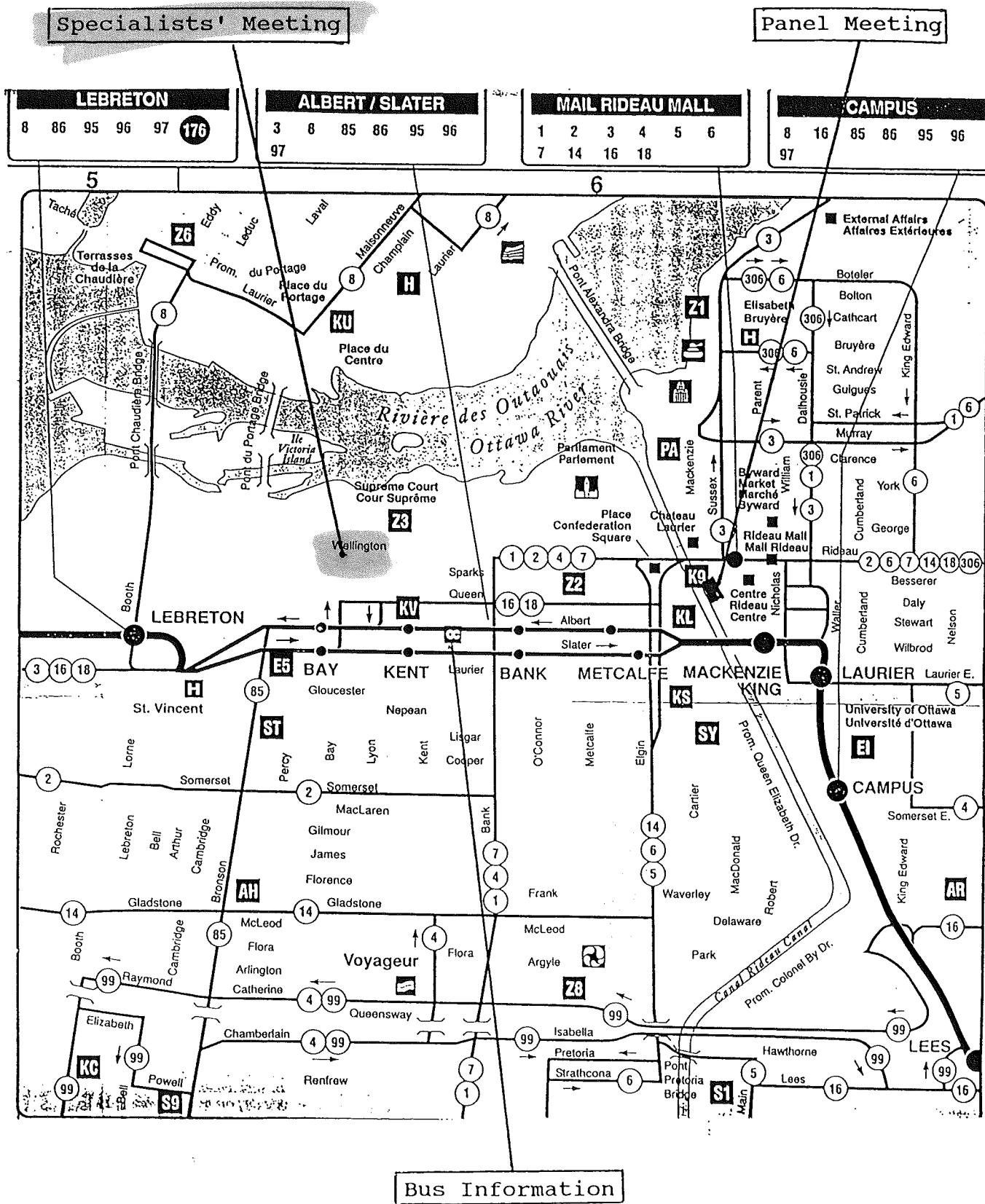
Three years later, Queen Victoria selected Ottawa as the capital of Canada because "The city of Ottawa combines more advantages than any other place in Canada for the permanent seat of the future government of the Province and is selected by Her Majesty accordingly."

The photograph shows the Rideau Canal with the Parliament buildings behind, the National Conference Centre on the right (and the Château Laurier Hotel behind it), and the National Arts Centre on the left, but it may not be as hot in October!.

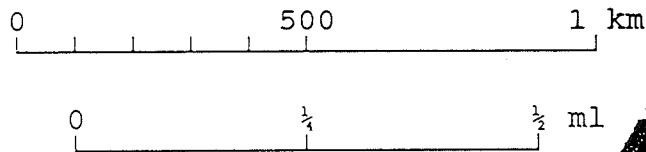
The rest of this booklet contains:

2. The Meetings (general)
 3. The Specialists' Meeting (6-7 October)
 4. The Panel Business Meeting (4, 5 & 8 October)
 5. Accommodation
 6. Transport
 7. Leisure Activities
 8. General information
-
- A. Map of Ottawa (bus system on verso)
 - B. Recommended hotels
 - C. Hotel list
 - D. Hotel booking forms
 - E. Companions' tour form

All-day Bus Routes



(a list of ticket and pass sales points
is on the back of Attachment B)

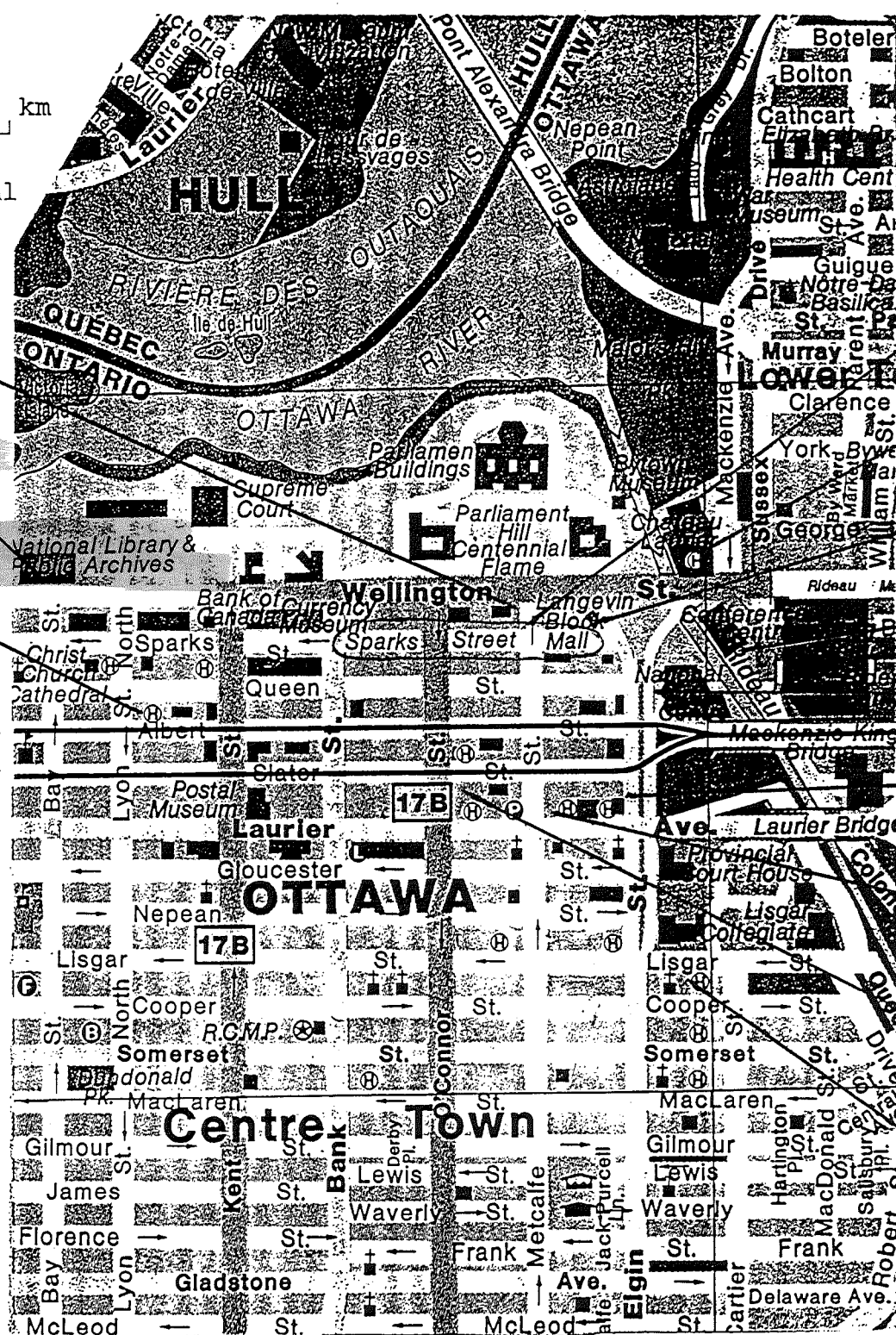


Information

SPECIALISTS' MEETING

Citadel
(Hotel 1)

Downtown Bus Corridor



Sparks Street
(Mall)

Chateau Laurier
(Hotel 2)

Post Office

PANEL MEETING

Information

Lord Elgin
(Hotel 3)

Roxborough
(Hotel 4)

Howard Johnson
(Hotel 5)

Information

Attachment A

Accommodation / Hébergement					FEATURES / SERVICES																	
Numbers on left refer to map on page 125. Les chiffres à gauche font référence à la carte en page 125.					family / weekend rates lits de semaine/famille children's rates tarifs enfants non-smoking rooms chambres non-fumeurs wheelchair access accès handicapés tobacco shop boutique dining room salle à manger coffee shop salon de thé room service service aux chambres kitchen cuisine fitness centre gymnase pool piscine air conditioning air climatisé continental breakfast café-croissant																	
■ feature present / service disponible ✕ partial feature / service partiel					See all on page... Consulter l'annexe en page...																	
Central Ottawa / Centre d'Ottawa					type	number of rooms nombre de chambres	single room, \$ chambre simple, \$	double room, \$ chambre double, \$														
C7	Albert at Bay Suite Hotel, 435 Albert, K1R 7X4 ***** (613) 238-8858 FAX 238-1433 1-800-267-6644	SH	170	95+	105+																	
C7	Algonquin Hotel Apartments, 225 Lisgar, K2P 0C6 (613) 238-1616 FAX 231-6576	SH	160	52	60																	
C7	Aristocrat Suite Hotel, 131 Cooper, K2P 0E7 (613) 236-7500 FAX 563-2836 ***	SH	208	90	115																	
C7	Arosa Apartment Hotel, 163 MacLaren, K2P 2G4 (613) 238-6783 FAX 238-5080	SH	60	75	80	143																
C7	The Beacon Arms Hotel, 88 Albert, K1P 5E9 (613) 235-1413 FAX 235-6047 1-800-223-0888	H	150	75	81																	
C7	Cartier House Inn, 46 Cartier, K2P 1J3 (613) 236-4667 FAX 563-7529	G	11	89+	104+																	
C7	Cartier Place Hotel, 180 Cooper, K2P 2L5 (613) 236-5000 FAX 238-3842 ****	SH	132	95	105																	
C7	Château Laurier, 1 Rideau, K1N 8S7 ***** (613) 232-6411 FAX 232-3492 1-800-268-9411	H	450	109+	109+	137																
C7	Delta Ottawa, 361 Queen, K1R 7S9 (613) 238-6000 FAX 238-2290 1-800-268-1133 ****	H	330	85+	85+	136																
C7	Doral Inn, 486 Albert, K1R 5B5 (613) 230-8055 FAX 237-9660 1-800-26-DORAL ***	H/SH	40	49	59	136																
C7	Elgin Business Inn, 180 MacLaren, K2P 0L3 (613) 232-1121 FAX 232-8143	BI	109	60+	60+																	
C7	Embassy Hotel, 25 Cartier, K2P 1J2 (613) 237-2111 FAX 563-1353 1-800-267-8696	SH	130	65	72																	
B8	Holiday Inn, Ottawa - Market Square, 350 Dalhousie (613) 236-0201 FAX 236-2483 1-800-465-4329	H	158	95	100	143																
C7	Hotel Roxborough, 123 Metcalfe, K1P 5L9 (613) 237-5171 FAX 237-0733 ****	H	146	94+	94+	138																
C7	Howard Johnson Ottawa, 140 Slater, K1P 5H6 (613) 238-2888 FAX 235-8421 1-800-664-2000	H	108	69	79	143																
C8	Journey's End Hotel, 290 Rideau, K1N 5Y3 (613) 563-7511 FAX 563-2434 1-800-668-4200 ***	H	215	75	85																	
C7	Les Suites Hotel, 130 Besserer, K1N 9M9 (613) 232-2000 FAX 232-1242 1-800-267-1989	SH	241	95+	105+	144																
C7	Lord Elgin Hotel, 100 Elgin (at Laurier), K1P 5K8 (613) 235-3333 FAX 235-3223 1-800-267-4298	H	312	89	95	3																
C7	Minto Place Suite Hotel, 433 Laurier W/O, K1R 7Y1 (613) 232-2200 FAX 232-6962 1-800-267-5101/3377	SH	418	105+	120+	135																
C7	The Montebello Apartment Hotel, 341 MacLaren, K2P 2E2 (613) 230-7800 FAX 230-0942	SH	117	65	65																	
C8	Novotel Hotel, 33 Nicholas, K1N 9M7 (613) 230-3033 FAX 230-4186 1-800-221-4542	H	283	75+	75+	144																
C7	Ottawa Hilton, 150 Albert, K1P 5G2 (613) 238-1500 FAX 235-2723	H	233	129+	149+																	
C8	Ottawa International Hostel/Auberge Internationale d'Ottawa 75 Nicholas, K1N 7B9 (613) 235-2595 FAX 789-2131	YH	160*	13																		
C7	Ottawa YM-YWCA d'Ottawa, 180 Argyle, K2P 1B7 (613) 237-1320 FAX 233-3096	H	267	32	40																	
C7	Park Lane Hotel, 111 Cooper, K2P 2E3 (613) 238-1331 FAX 230-2179 1-800-267-8378	H	235	68+	82+																	
C8	Parkway Motel, 475 Rideau, K1N 5Z3 (613) 232-3781 FAX 232-9163 ***	M	61	56	58																	
C7	Radisson Hotel Ottawa Centre, 100 Kent, K1P 5R7 (613) 238-1122 FAX 783-4229 1-800-333-3333	H	478	105+	115+																	
C7	Relax Plaza Hotel, 402 Queen, K1R 5A7 (613) 236-1133 FAX 236-2317 1-800-66-RELAX	H	177	75	85	2																
C7	Skyline Hotel - Ottawa, 101 Lyon, K1R 5T3 (613) 237-3600 FAX 237-2351 1-800-567-3600	H	411	65+	65+																	
C7	Somerset House Hotel, 352 Somerset W/O, K2P 0J9 (613) 233-7762 FAX c/o 238-5899	H	31	30+	45+																	
C8	The Town House Motor Hotel, 319 Rideau, K1N 5Y4 (613) 236-0151 FAX 236-6196 ***	H/M	70	56	56	140																
C7	University of Ottawa / Université d'Ottawa, 100 University (613) 564-3463/5400 FAX 564-9534	U	700	18+	33+	151																
C7	Venture Inn Ottawa, 480 Metcalfe, K1S 3N6 (613) 237-5500 FAX 237-6705 1-800-387-3933	H	157	79	89																	
C7	Victoria Park Suites Hotel, 377 O'Connor, K2P 2M2 (613) 567-7275 FAX 567-1161 1-800-465-7275 ****	SH	100	68+	78+																	
C8	The Westin Hotel Ottawa, 11 Colonel By, K1N 9H4 (613) 560-7000 FAX 560-7359 1-800-228-3000 ****	H	475	159	159	138																

2. THE MEETINGS (general)

Two meetings will be held during the week:

a 2-day Specialists' Meeting on Wednesday and Thursday, 6 & 7 October; and

a Technical Information Panel Business Meeting (for members of the Panel only) on Monday, Tuesday and Friday 4, 5 & 8 October.

They are described separately at 3. and 4. below.

3. THE SPECIALISTS' MEETING (6-7 October)

a. Location

The Specialists' Meeting will be held at:

The National Library of Canada
395 Wellington Street
Ottawa

phone: +1 (613) 995-7921

fax: +1 (613) 943-2343 (attention: AGARD Meeting)

PLEASE NOTE: These telephone and fax lines should be used only during the days of the Specialists' Meeting (6-7 October)

Do NOT use this address for mail, see f. below.

Outgoing telephone calls within the Ottawa area may be made from the AGARD desk. For long distance calls, there is a pay-phone next to the guards' desk in the entrance to the Library. Since there is only one there, you should use it only for essential and urgent calls.

The Library is about 10 minutes walk westward from the Parliament Building (see map at Attachment A). Enter by the main entrance on Wellington Street.

Please note that smoking is not allowed in the Library or in any Canadian Government building.

b. Registration

This will take place from 0830 to 0930 on Wednesday, 6 October in the foyer outside the auditorium. To reach it, you turn left after entering the Library. Outdoor coats, etc may be left in the (unattended) cloakroom just before the registration area. Toilets and a drinking fountain are there also. At registration you will be given the final programme for the meeting and tourist information about Ottawa.

c. Briefing

All speakers, chairmen of sessions, reviewers, interpreters and technicians should attend a short briefing at the front of the auditorium at 0900 on the Wednesday. This will enable the speakers to become acquainted with the equipment - particularly important if they have 35 mm slides or videos - and to meet their session chairmen, who will explain how they intend to run their sessions.

d. Refreshments and Lunch

Coffee, tea and juice will be provided free of charge during the breaks by courtesy of the Department of National Defence. They will be served in the foyer outside the Auditorium. Food and beverages are not allowed in the auditorium.

No special arrangements have been made for lunch. There is a cafeteria situated on the 5th floor of the National Library. Participants will be asked each morning whether they wish to lunch there, since the cafeteria needs to have an approximate idea of numbers. Sandwiches, salads, soup, and one or two hot dishes, may be obtained there for under \$5.00.

Alternatively, there are many suitable restaurants and snack bars in the area within a 5-10 minute walk. There is an underground shopping mall, which includes many fast food outlets, as well as other sit-down eating establishments in the Place de Ville complex, a few minutes walk from the Library.

e. Interpretation

All papers will be delivered in English or French, and discussion will take place in these languages. Simultaneous interpretation will be provided into both languages. If you will need interpretation, please remember to collect a headset and receiver before the meeting starts.

f. Mailing address

Participants should arrange for mail to be sent to their hotels. However, authors sending copies of their papers in advance should address them to:

Michael Brandreth
Manager, Policy, Planning and Systems
Canada Institute for Scientific and
Technical Information
National Research Council Canada
Ottawa, Canada K1A 0S2

Any package must be clearly marked on the outside, "AGARD/TIP Meeting - SCIENTIFIC PAPERS - NO COMMERCIAL VALUE"

g. Publication

The printed papers will be published, with a Technical Evaluation Report (TER) of the meeting, in an AGARD Conference Proceedings, CP-544, early in 1994. There will not be a preprint, but speakers have been asked to provide copies of their papers in advance, and these will be available in the registration area. To help preparation of the TER, the discussion sessions and the closing forum discussion will all be recorded.

4. THE PANEL BUSINESS MEETING (4, 5 and 8 October)
(For members of the Technical Information Panel only)

a. Location

This meeting will be held in:

The Government Conference Centre
 2 Rideau Street

telephone: 1 (613) 990 6696 (direct line)
 fax: 1 (613) 990 6706 (attention: AGARD Meeting)

This is the former railway station; it has been completely refurbished as a conference centre.

Please note that this is also a Canadian Government building and smoking is not allowed in it.

Mail should be sent to your hotel, not to this address.

Local telephone calls may be made from the AGARD office; for long distance ones there are several pay-phones in the building. Urgent faxes can be sent for \$3 per day and 50 cents per page.

The Business Meeting and the Executive Steering Group Meeting will be held in the Sussex Room on the first floor, by the south eastern entrance (in Colonel By Drive). Panel members should enter here on the first day. Sub-committee meetings will take place in rooms on the second floor, near the north western (Wellington/Rideau Street) entrance. The full schedule of meetings will be sent to Panel members later.

b. Refreshments and lunch

Refreshments will be available in the Sussex Lounge next to the Panel meeting room. Food and beverages are not allowed anywhere except in the Lounge. This is also the area that members can use for informal discussions or preparation of reports. The Panel Secretary's office is next door.

No special arrangements have been made for lunch. There are many suitable restaurants and snack bars in the Rideau Centre across the road and in the downtown and market areas within a 5-10 minute walk.

c. Interpretation

Full interpretation (English/French) will be provided in the Panel Business, the Executive Steering Group and the Heads of Defence Information Centres meetings; and it is hoped to have whispering interpretation in the sub-committee meetings.

5. ACCOMMODATION

a. Recommended Hotels

A list of recommended hotels is at Attachment B. Their approximate locations are shown on the map at Attachment A. If you are attending only the Specialists' Meeting (Wednesday and Thursday), you may wish to stay at the Citadel Inn (just four blocks from the meeting site in the National Library). A group rate, equivalent to the favourable Government Rate, has been negotiated there.

If you are attending the Panel Meeting as well, you may wish to choose the Citadel Inn or one of the other recommended hotels which are closer to the Government Conference Centre where the Panel Meeting will be held. Please note that no block bookings have been made for these other hotels.

Participants MUST MAKE THEIR OWN RESERVATIONS, using the appropriate form at Attachments D1 - D5. Except for the Citadel Inn, prices and availability of rooms are guaranteed only for reservations received by the hotels by 3 September. For the Citadel, you may register until 21 days prior to your arrival.

b. Other hotels

A list of hotels in Ottawa with their standard prices is at Attachment C. You may book with any of these also.

c. Late arrivals

FOR ALL HOTELS, if you expect to arrive after 1800 you should make a deposit on your room to guarantee that it is held. This may be done by quoting a credit card name, number and expiry date when registering. VISA, MasterCard and American Express will be accepted at virtually all hotels in Canada.

B O O K N O W!

6. TRANSPORT

a. Air

From North America there are a number of flights direct to Ottawa, but some participants may have to change in Toronto.

There are few direct flights from Europe to Ottawa. Most flights to Ontario or Québec arrive at Montréal (Mirabel airport) or Toronto, and you must change to a domestic flight for onward travel to Ottawa. Unless you are planning to stay

over in Montréal for a visit, a flight through Toronto is preferable since you will easily get a connecting flight to Ottawa.

Onward transport from Mirabel requires a ground transfer to Dorval Airport and a 35 minute flight to Ottawa, or a two hour bus ride (schedule for October not yet available). Don't take a taxi, except in emergency; it is \$171 flat rate. An alternative possibility is to go into Montréal and take the train; the last one is at 1745 (Winter timetable, 1992) and takes two hours.

From Ottawa airport, a bus serving the main downtown hotels runs every 30 minutes and costs \$8.50. If it does not serve your hotel, it will be able to set you down near it. A taxi will cost about \$20. You may also see an OC Transpo bus, no. 96, at the airport. This is a local bus, intended for airport employees, and has no facilities for handling luggage. Moreover, it takes nearly an hour to the city centre and requires exact Canadian money. In Ottawa, it runs along Albert Street (see bus map on verso of Attachment A), and is handy for most of the recommended hotels.

b. Rail

The main railway station in Ottawa is about 4 km from the centre of the city. Taxis from there to downtown will be about \$10; and bus no. 95 runs along Albert Street near to the hotels.

c. Road

All the recommended hotels have car-parking facilities with a special 24 hour rate allowing you to enter and leave at will (for details see Attachment B). There is no parking at either of the meeting sites, although commercial parking is available at several garages within a five-minute walk of the Government Conference centre.

There are many car hire firms; and the major ones all have offices at the airport (open typically from 0800 to 2300). Typical prices, including insurance, for a compact are \$45 a day, \$175 for a week with up to 1600 km, or \$215 for an unlimited distance (worth-while if you expect to drive more than 2000 km). Collision damage waiver costs about \$12 a day.

d. To the meetings

If you select one of the recommended hotels, the meeting sites will be between 5 and 15 minutes away on foot. Should you choose to stay further away, buses 1, 2, 4 and 7 go to within 3 blocks of the National Library, to the corner of Bank and Wellington Streets; buses 18 and 16 go to within 2 short blocks, to the corner of Queen and Bay Streets. Several other routes use the Transitway downtown corridor (Albert Street westward and Slater Street eastward) which is a 4 or 5 short block walk to the National Library - alight at Bay.

The Government Conference Centre is at 2 Rideau Street (the eastward continuation of Wellington Street) on Confederation Square across Colonel By Drive from the Rideau Centre. All buses serving the downtown area stop at Confederation Square or near the south entrance to the Rideau Centre (Mackenzie King).

Taxi fares from nearby downtown hotels to either site will cost approximately \$5.00.

e. Local transport

There is an extensive network of buses in Ottawa, with a number of reserved bus routes (Transitway corridors). The locations of the stops on the downtown corridor are shown on the verso of Attachment A, which also shows the meeting sites. Bus information can be obtained from the enquiry office at 294 Albert Street, open from Monday to Friday, 0830 to 1700 (see the same map), or telephone 741-4390 (0600-2300, Monday to Saturday and 0800-2300, Sunday).

Buses generally run until midnight. The fares vary from \$1.30 to \$2.00 according to the time of day and the route, except for a few rush-hour only routes which cost \$2.60. Please note that the drivers do not give change. One-day passes, valid at weekends, and on weekdays from 0900-1500 and after 1730, are available for \$3.00 at the OC Transpo Enquiry Office and at a number of shops, etc (listed on the verso of Attachment B). The pass may also be used from 1500-1730 with the addition of \$0.70 or one ticket. These (pre-paid) tickets are available at the same same places as the pass, and may also be used for travel (three are needed before 0830 and from 1500-1730, two at other times).

However, downtown Ottawa is relatively small and most places of interest can readily be visited on foot if the weather is kind.

7. LEISURE ACTIVITIES

a. Reception

The National Delegates of Canada, Dr Marsters, Mr Peebles and Dr Kimbell, have kindly invited all participants and their companions to a reception to be held in the National Library on Wednesday 6 October. Full details and invitations will be provided at registration.

b. Planned

If there is sufficient interest, a tour for companions will be arranged on Thursday 7 October to Upper Canada Village in the St Lawrence Valley. The Village is a reconstruction of an 1860's community with period activities and entertainment; and the houses were moved there after being saved from demolition during the construction of the St Lawrence Seaway.

To enable the organisers to gauge the number of people likely

to take part, please complete the form at Attachment E if you are interested in this trip. If you do not send it in, you may find that the tour has been cancelled.

c. Tourist Information

There are of course many museums and other sights to see, and you can get suggestions and information from the tourist offices at the airport and the following locations:

the National Arts Centre;
(tel: 237-5158)

the National Capital Visitor Information Service, 14
Metcalf Street (opposite Parliament Buildings);
(tel: 239-5000)

the Ottawa-Carleton Centre in Lisgar Street.
(tel 237 5150)

See the map for locations. The first two are both open 0900-1700 on weekdays and 1000-1600 on Sundays, the last is open 0800-1700, Monday to Friday.

For more detailed information on Hull, and the Province of Québec on the north side of the river which includes the Gatineau Hills, there is a Tourist Information Office at 25 Laurier Street, Hull, open from 0830 to 1700 Monday to Friday (tel: (819) 778-2222)

Ideas that have taken my fancy include:

an introductory 2-hour bus tour of the city (probably daily at 1000 and 1400) from Confederation Square.

a visit to Parliament, including the Library, both free (0900-1630 (-2030 on Tuesday 5 October) and the Noonday Gun, followed shortly after by a carillon concert. All this is on Parliament Hill from where there is a superb view of the autumn colours in the Gatineau Hills;

the new Museum of Civilization, across the river in Hull;

a boat trip on the river, and perhaps the canal;

a 4-hour, 32 km steam train ride on the Québec side of the river, starting from Hull and running through the Gatineau Hills (Monday, Wednesday, Saturday and Sunday);

and a tour of the Gatineau Hills themselves, perhaps by hired bicycle.

You will find many other suggestions in the free Visitor Guide to Ottawa, obtainable from the Tourist Offices.

To make the best use of the little time that you will have available for tourism, it is recommended that you contact the tourist office in advance. They will be pleased to provide

you with information on the city. The address is:

Ottawa Tourism
2nd Floor, 111 Lisgar Street
Ottawa, Ontario K2P 2L7
CANADA
tel: +1 (613) 237-5150

8. GENERAL INFORMATION

a. Banks/Currency Exchange

In general, shops and other commercial establishments do not accept foreign currencies. US Dollars may be accepted by some, but the exchange rate is not likely to be favourable. It is best to exchange money at a bank.

The foreign exchange broker at the airport is open from 0530-2330. Banks, of which there are many within a few minutes walk of the hotels, are generally open from 0800-1700 Monday to Wednesday and 0800-2000 on Thursday and Friday. However, times vary for individual branches. Not all branches will exchange all currencies. It is best to try the main branches on the Sparks Street Mall (see map), which specialise in foreign currency exchange. Transaction charges are still reasonable at present - \$2.50 per transaction (travellers' cheques or currency), irrespective of the number of notes or cheques, at the Royal Bank main office at 90 Sparks Street, for example.

There are also automated tellers/bank machines at numerous locations around the city, most of which will accept bank cards, for example Visa and Master Card, from other countries.

Very approximately, in April 1993 1 Canadian Dollar could be bought for:

27 Fr - Belgium	1.5 DfL - Netherlands
5.0 Kr - Denmark	5.5 Kr - Norway
4.5 Fr - France	130 Es - Portugal
1.3 DM - Germany	100 Pta - Spain
190 Dr - Greece	8000 l - Turkey
0.50 £ - UK	1350 l - Italy
0.80 \$ - US	

Currency rates have fluctuated widely recently so it is best to verify them closer to the date of the Symposium, but the above figures will give you some idea of comparative costs.

b. Sales taxes

Note that most items and services purchased in Ontario (including restaurant meals) are subject to an 8% Provincial Sales Tax and a Federal 7% Goods and Services Tax (G.S.T.). These are not normally included in the advertised price of an item, but are added at the cash register. Visitors to Canada may apply for a refund of these taxes, except for meals. A brochure containing details will be provided in your

registration kit when you arrive. Remember to save your receipts.

c. Tipping

It is normal to give a 10-15% tip for services in restaurants and taxis, etc. unless a service charge is included on the bill, as is usually the case for groups of 10 persons or more.

d. Airline Reservations/Confirmations

Please remember that for those people on transatlantic flights, confirmation of reservation, at least 72 hours before departure, is essential; your hotel receptionist is usually the best person to do this for you.

e. Weather

The temperature range for early October is large with an average maximum of 15°C and minimum of 1°C. Rain may be expected half the time.

f. Electricity

110-120 volts, AC 60Hz.

g. Post and Telephone

To the USA, postcards and letters up to 30 gm cost 49 cents; to other countries, postcards and letters up to 20 gm cost 86 cents and go by air.

There is a large Postal Station at the corner of Sparks Street and Confederation Square (see map), but there are smaller Post Offices in most shopping malls. Booklets of stamps are available at many drug or convenience stores or smoke shops. They may also be available from your hotel.

The telephone code for Ottawa from abroad is +1 (613). Locally, of course, you just dial the 7 digits, for example 237-5158. This is also the case for Hull numbers with area code 819. From your hotel, of course, you will usually need another initial digit. Some hotels apply a service charge to local and/or long distance calls. You should check with the reception desk.

To make an international call from Canada, you dial 011 before the country code.

The cost for a local call at a pay telephone is 25 cents. They accept 5, 10 and 25 cent coins. Some also accept the dollar coin, but no change is given. Many public telephones will also accept calling cards so that calls may be charged. They do not accept European VISA or similar cards. Bell Canada, the major supplier of telephone services in eastern Canada, has a service known as "Phoning home from Canada", whereby visitors may, by telephoning a Canadian toll-free number, connect with an operator in their home country and

thereby use their European charge card or calling card. A brochure describing this service will be available at the meeting registration desks. The numbers for the NATO nations that can be reached in this way are:

Denmark	1-800 363-4045	France	1-800 363-4033
Germany	1-800 465-0049	Italy	1-800 363-4039
Netherlands	1-800 363-4031	Norway	1-800 363-4047
Spain	1-800 463-8255	United Kingdom	1-800 363-4144

h. Flea market

Stittsville Market

Shop Sunday All Year Round MAP 3-01



Largest Indoor-Outdoor Flea Market in Eastern Canada

Art • Antiques • Collectables • Crafts • Stamps & Coins • New Clothing
• Modern Furnishings • Fruits & Vegetables • Plants

Tel: 836-5612 Fax: 836-5617

10 minutes west of Ottawa, Exit 140, left on Terry Fox Dr., right at Hazeldean Rd.

i. Acknowledgements

Thanks are due to several people. particular mention must be made of Mike Schryer, Director of the Defence Information Service, Barbara Aubrey of his staff, Mike Brandreth of the Canada Institute for Scientific and Technical Information, and Robert Pilon, of the Department of National Defence, who have all spent a considerable amount of time in preparing for this meeting and providing the above information. None-the-less, any errors are mine.

Finally, it should be noted that opening hours and prices were correct as at April, but may have changed by October, so you should check first where necessary.

G.W. Hart
Technical Information Panel Executive

Vendors of Bus Passes and Tickets

The listing for each vendor includes four pieces of information: street, address, nearest cross street and vendor name.

Most vendors sell both passes and tickets, with exceptions noted as follows:

- ◆ tickets only ■ passes only

The list of vendors is subject to change from time to time.

Location	Vendor • Dépositaire
Albert (85) / Metcalfe	Café Sixteen
Albert (111) / Édif. World Trade Bldg.	Elysée Info Booth
Albert (130) / O'Connor	The Moon's Corner
Albert (294) / Kent	OC Transpo
Albert (400) / Lyon	Civil Service Co-op
Bank (84) / Queen	Canadian Imperial Bank of Com.
■ Bank (99) / Queen	Wishing Well
Bank (118) / Édif. Jackson Bldg.	Comerford's Smoke Shop
Bank (181) / L'Esplan. Laurier	Unicentre
Bank (205) / Nepean	Cantor's Bakery & Deli
Bank (210) / Nepean	Ottawa Women's Credit Union
Bank (241) / Lisgar	Esquire Smoke Shop
Bank (260) / Cooper	Royal Variety
Bank (263) / Cooper	Canadian Imperial Bank of Com.
◆ Bank (267) / Somerset	Coulter's Drug Store
Bank (275) / Somerset	Ottawa Community Credit Union
Bank (400) / Florence	K & S Variety
Carrière (555)	National Defence
Colonel By (101) / Pont Mackenzie King Bridge	National Défence HQ
Cumberland (487) / Stewart	Smiley's Confectionery
Dalhousie (223) / Guigues	Larocque & Frère
Dalhousie (262) / Murray	Michel's Tobacco & Variety
Dalhousie (293) / Clarence	Caisse populaire Notre-Dame
Eddy (15) / Principale	Tabagie "Le Calumet"
Elgin (160) / Place Bell Canada	Between Friends
Elgin (160) / Place Bell Canada	Mac's Milk
Elgin (233) / Lisgar	Tony's Cigar Store & Barber Shop
Elgin (282) / MacLaren	National Bank of Canada
Elgin (284A) / MacLaren	Mike's Milk
■ Elgin (473) / Argyle	Elgin Square Convenience
Gloucester (150) / Bank	Defence HQ Credit Union
Gloucester (440) / Bronson	Shireen's Convenience Store
Hastley (85) / Osgoode	FEUO/UCSF (U. of Ottawa)
Kent (200) / Laurier	Celebration Smoke Shop
Kent (292) / Somerset W.	Kars Confectionery
Laurier E. (244) / Nelson	Astley's Pharmacy
Laurier W. (166) / Metcalfe	Canadian Imperial Bank of Com.
Laurier W. (234) / O'Connor	Kara's Smoke and Gift Shop
Laurier W. (340) / Bank	Little Butt Shoppe
Laurier W. (365) / Kent	National Bank of Canada
Laurier W. (427) / Lyon	Gateway Cigar Store
Laurier (11) / Place du Portage	Pharmastop
Lisgar (111) / Elgin	Window on the Region
Metcalfe (13) / Sparks	New Windsor Cigar Store
Nicholas (3) / Rideau	Royal Smoke Shop
O'Connor (150) / Laurier	Ceci-Cela Smoke
■ O'Connor (110) / Laurier	Bud's Smoke Shop
Prom. du Portage (200) / Pl. du Centre	Entre Amis
Prom. du Portage (188) / Pl. d'Accueil	Variété l'Accueil
Queen (320) / Place de Ville	United Cigar Stores
Rideau (41) / Sussex	Canadian Imperial Bank of Com.
Rideau (50) / Rideau Centre	Migar Enterprises
Rideau (73) / Freiman	Lucky Nook
Rideau (242) / Cumberland	National Bank of Canada
Rideau (310) / King Edward	Union Smoke Shop
Rideau (436) / Chapel	Rideau Coin Laundry
■ Rideau (450) / Chapel	Succ. Rideau
Rideau (580) / Charlotte	Jasco Pharmacy
Slater (110) / Metcalfe	Shoppers Drug Mart
Slater (160) / O'Connor	National Bank of Canada
Slater (300) / Kent	United Cigar Store
Slater (400) / Bay	The Stop Shop
Somerset E. (287A) / Russell	Michael's Confectionery
Somerset W. (613) / Percy	General Food
Somerset W. (653) / Bronson	Ing's Toys and Gifts
Sparks (62) / Elgin	Civil Service Co-op
Sparks (90) / Metcalfe	Centre Ticket Sales
Sparks (119) / Metcalfe	Canadian Imperial Bank of Com.
■ Sparks (151) / O'Connor	Smokes and Mags
Sparks (179) / O'Connor	Green Dragon Gift Shop
Sparks (240) / Kent	Chandra's Cigar Kiosk
St. Patrick (550) / Cobourg	Caisse pop. Ste-Anne-Laurier
Victoria (50) / Place du Portage #2	Tabagie Hulloise

HOTELS: (Please note that a 12% tax will be added to the room prices below, except for the Roxborough)

Name/Address	Single or Double	Comments (all 24 hour parking gives in/out privileges)
Citadel Inn, Ottawa (1) 101 Lyon Street Ottawa, ON K1R 5T9 Tel: 613-237-3600 or *1-800-237-2351 Fax: 613-237-2351	\$74 + tax	Includes continental breakfast A good quality modern hotel - health club parking garage \$9.75 per 24 hrs
Chateau Laurier (2) 1 Rideau Street Ottawa, ON K1N 8S7 Tel: 613-232-6411 or *1-800-441-1414 Fax: 613-786-8030 Telex: 053-4265	\$118 + tax	A high-class long- established hotel (the former railway hotel) - swimming pool Underground tunnel to Panel Meeting site parking garage \$12 per 24 hrs
Lord Elgin Hotel (3) 100 Elgin Street Ottawa, ON K1P 5K8 Tel: 613-235-3333 or *1-800-267-4298 Fax: 613-235-3223	\$77 + tax	Another long-established hotel, recently renovated underground parking \$10 per 24hrs
Hotel Roxborough (4) 123 Metcalfe Street Ottawa, ON K1P 5L9 Tel: 613-237-5171 or *1-800-267-8658 Fax: 613-237-0733	\$69	Includes continental breakfast <u>and all taxes</u> A traditional-style hotel valet parking \$10 per 24 hrs
Howard Johnson, (5) Ottawa 140 Slater Street Ottawa, ON K1P 5H6 Tel: 613-238-2888 or *1-800-446-4656 Fax: 613-235-8421	\$69 + tax	Includes continental breakfast A modern 'chain' hotel outdoor parking \$10 per 24hrs (free at weekends)

* Note: 1-800 toll-free numbers can not be called from Europe.